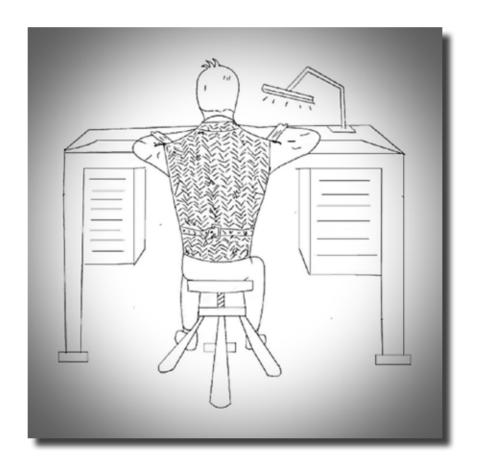
# QUENEVE & CU



# All texts, photographs and illustrations are Copyright ©2018 The Naked Watchmaker

#### Edition 02

Formatted for use on mobile telephones, laptops and tablets.



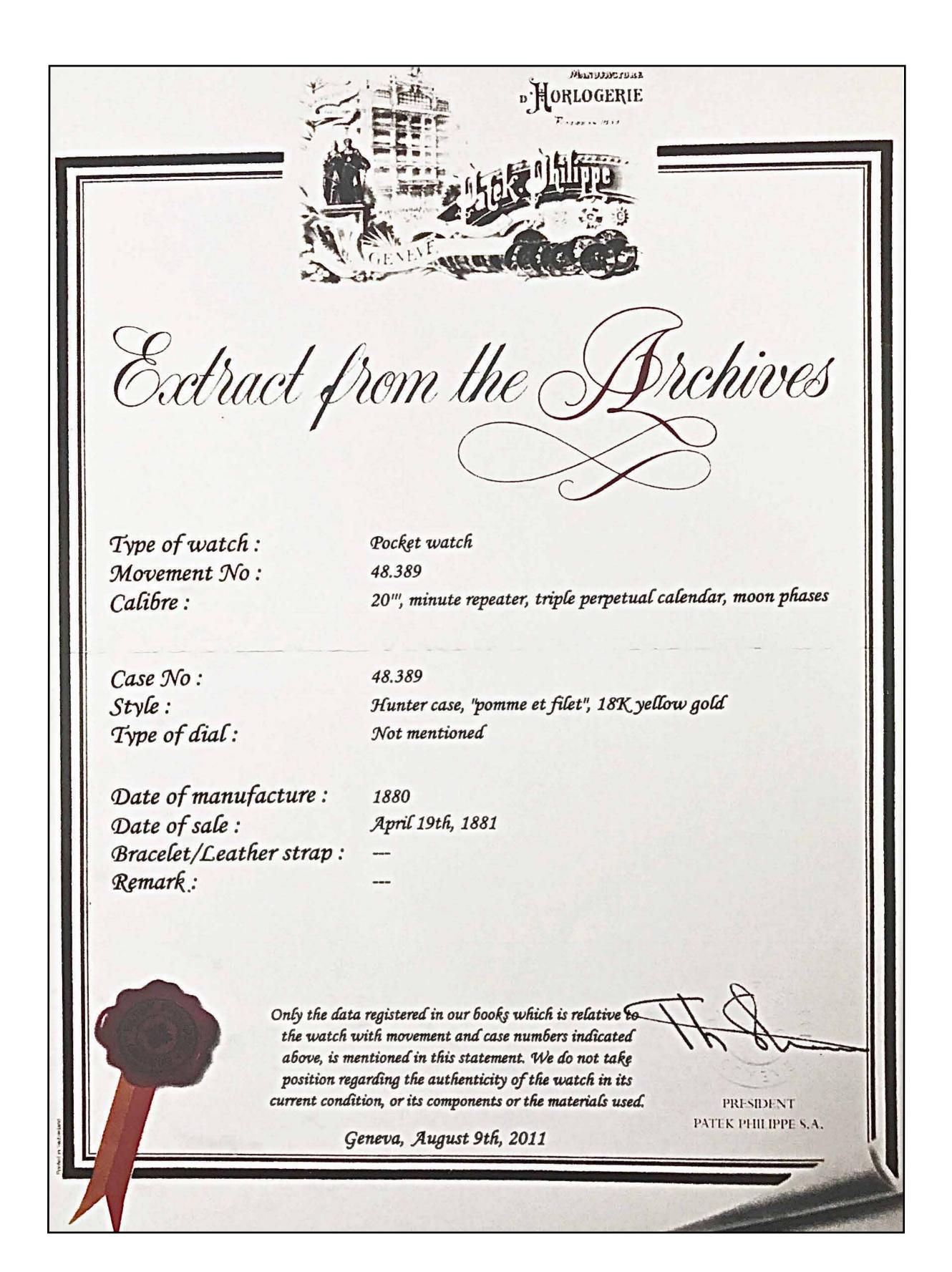
All rights to this publication are reserved.

It would be appreciated by the author that no part of this book may be reproduced, copied or transmitted in any form or by any means, electronic or mechanical, including photocopy, xerography and videography recording, with out the permission of The Naked Watchmaker.

## Patek Philippe & Co.

Is a Swiss watch manufacturer located in Geneva and the Vallee de Joux. Polish watchmaker Antoni Patek started making pocket watches in 1839 in Geneva, with his fellow Czech partner Franciszek Czapek. They separated in 1844, in 1845 Patek joined with the French watchmaker Adrien Philippe.

Patek Philippe & Co was founded in 1851.



A copy of an extract from the Patek Philippe archives proving the originality of the watch shown in the book, the date of manufacturer and eventual original sale date.

#### Introduction

A classically executed minute repeater with brass, gilded bridges combined with a separate German silver perpetual calendar module set into the base movement, and 5 piece enamel dial. The day is operated independently of the rest of the QP linked together via the upper pinion on the hour wheel.

This full hunter, 18k yellow gold pocket watch with enamel dial, perpetual calendar, moon phases and minute repeater was made in 1880 and sold for the first time on April 19th 1881. The calibre measures 20 ligne, approximatively 45mm in diameter. (One French ligne=2.25583mm, roughly  $2\frac{1}{4}$  mm).

The movement number is stamped on to the mainplate 48389. The style of design with separate bars for each wheel was synonymous with both French and Swiss watchmaking as it developed, and differentiated from English, German and American movements, which had the majority of wheels covered by a single bridge or plate.

# Summary

The repeater calibre was most likely made by a third party and purchased by Patek with the specific modifications requested to add the calendar mechanism. The enamel dial may have originally held the brand name on the lower section of the dial covering the moonphases disc.

The watch has been well used during its life. On removing the winding crown, the winding crown tube is visibly worn through contact with the crown, and the bow for the chain's hook also shows wear. These are normal signs of a watch of this age which has been used.

As with all watches of this age they were never water resistant and there are signs of corrosion on the steel work.

The watch represents the marriage of the third party calibre with a perpetual calendar module. As the brand evolved the majority of the calibres were made in house.

## Minute Repeater

A minute repeater is a complication in a mechanical watch that audibly chimes the hours, quarters and minutes on demand. ie, in this example through a slider being activated, on the side of the case. Once activated a mainspring is wound which activates a series of racks and cams causing two hammers to strike two gongs to sound the time. They originated prior to artificial illumination, to allow the time to be determined in the dark.

# Perpetual Calendar

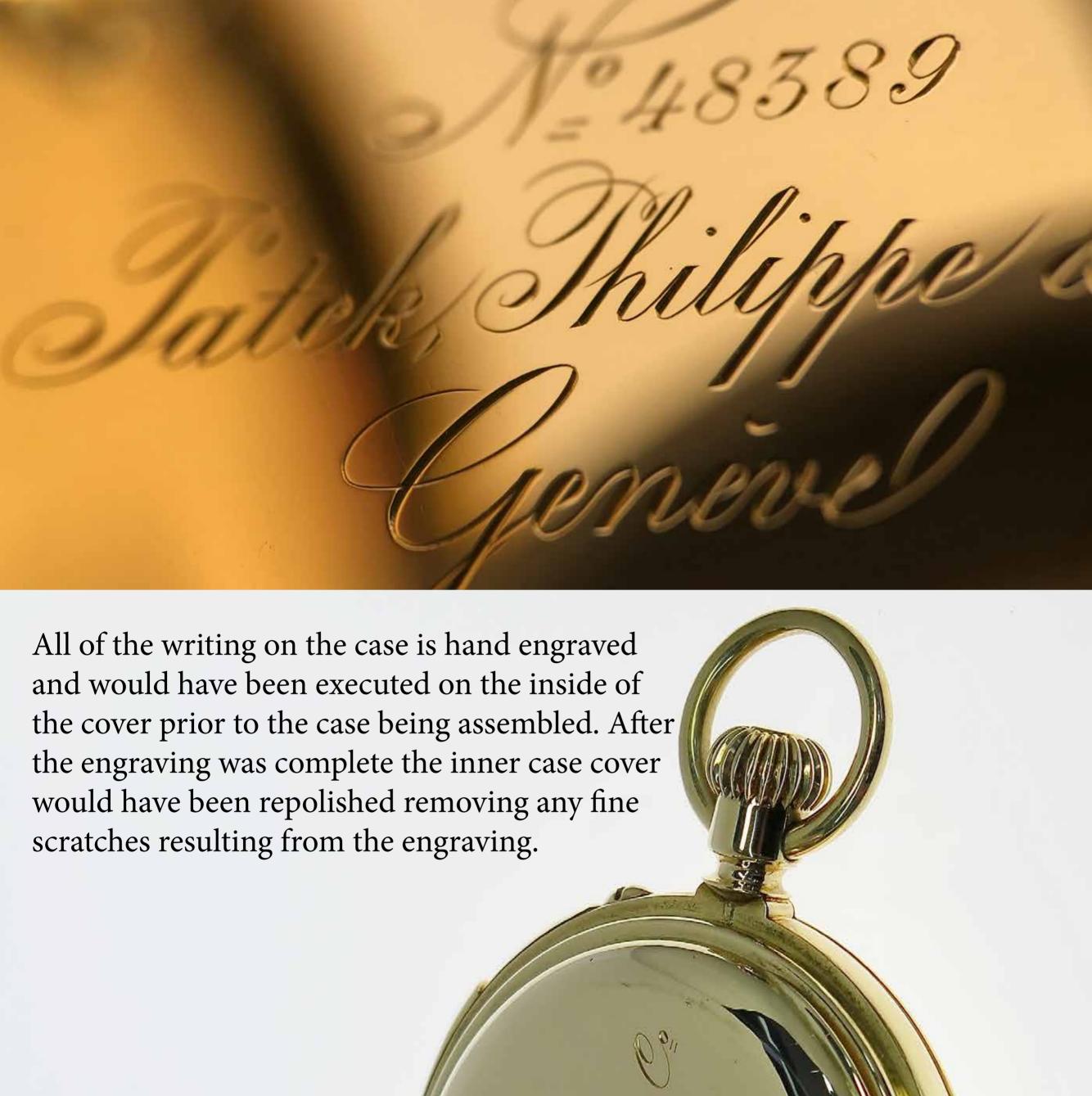
A perpetual calendar, often referred to as a QP, (the French translation, Quanitiéme Perpetual). Describes a mechanical calendar mechanism that corrects the different lengths of each month as well as February on the leap year.

# Moon phases

The moon phase wheel follows the progression of the moon through its different phases leading to the full moon.

This is a full hunter-case pocket watch which has a spring loadedhinged circular metal cover, covering the watch-dial and glass. The name originates from England where the sport of fox hunting was a commonplace practice at the time of their origin, and these watches were commonly used by the hunters. The majority of antique and vintage huntercase watches have the hinged covers at the 9 o'clock position and the stem, crown and bow of the watch at the 3 o'clock position as with this example.



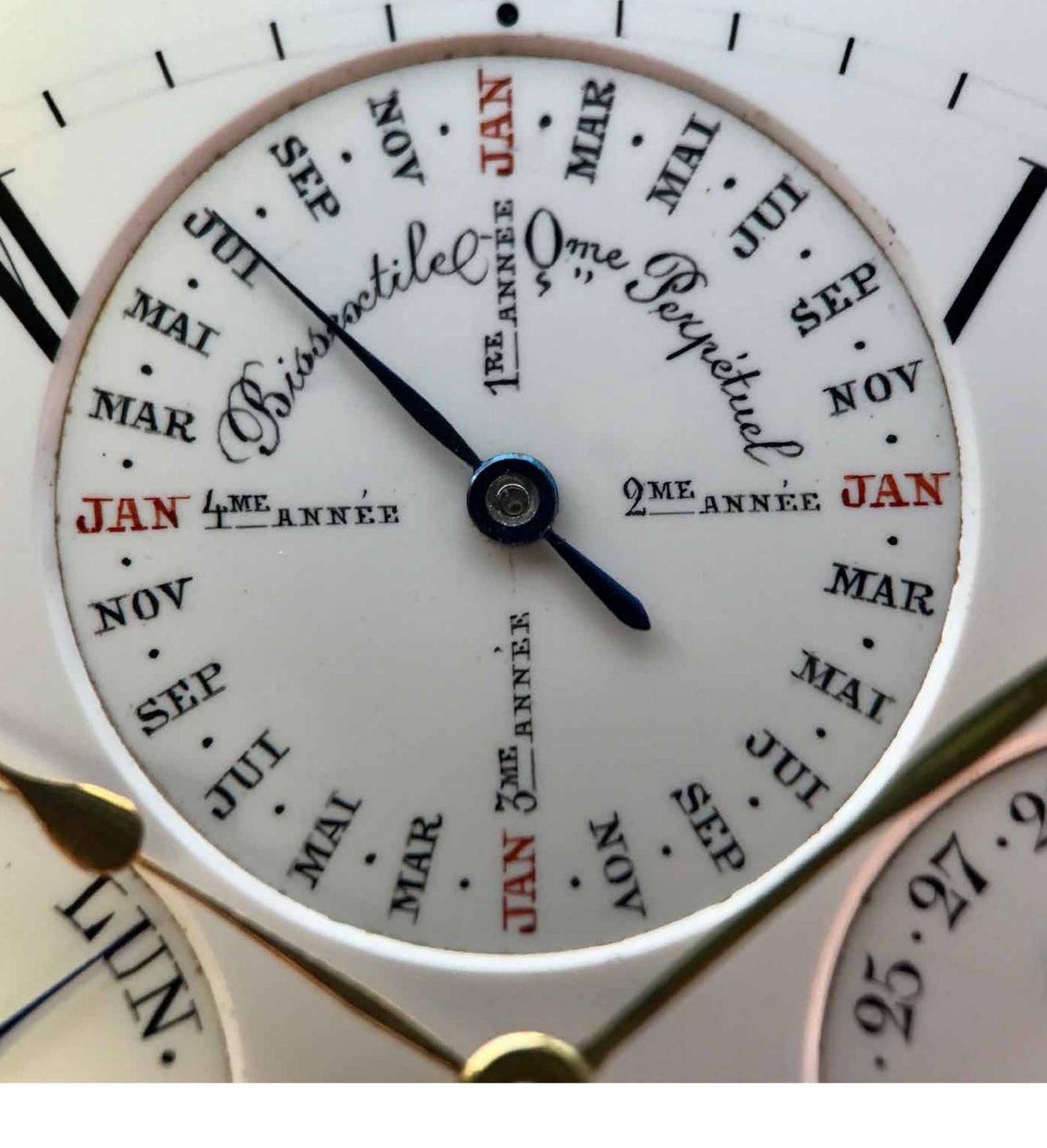








The layout for the perpetual calendar is classical and has been repeated countless times during watchmaking history, for both design and technical reasons. The months set at 12 o'clock, the day at 9 and date at 3 o'clock. The moon phases disc set at 6 o'clock with the seconds passing through the centre.



Each quadrant contains one full year. For readability, dots replace written months between the mostly abbreviated names. The fourth year has 'Bissextile' written, 'Leap year' in French. The JAN's are painted in red enamel to break up the four divisions and also increase readability of the months. From the inconsistency between the months, it would appear that the black enamelling was painted by hand.





The gold moon phases wheel with blue enamel, and hand engraved texture. The punched "dot" at 9 oʻclock was for aligning the wheel to a specific datum point when it was first assembled on the module prior to the dial being added.







The dial removed from the case and movement. The fine, hair line fractures in the subsiduary dials are probably the result of the subsiduary hands being removed at somepoint during the watches life.



The subsiduary enamel dials are secured in place by melted lead, the surplace was then cut away. The base metal of the dial was copper and the dial was enameled on both sides to even-out the tensions within the dial.

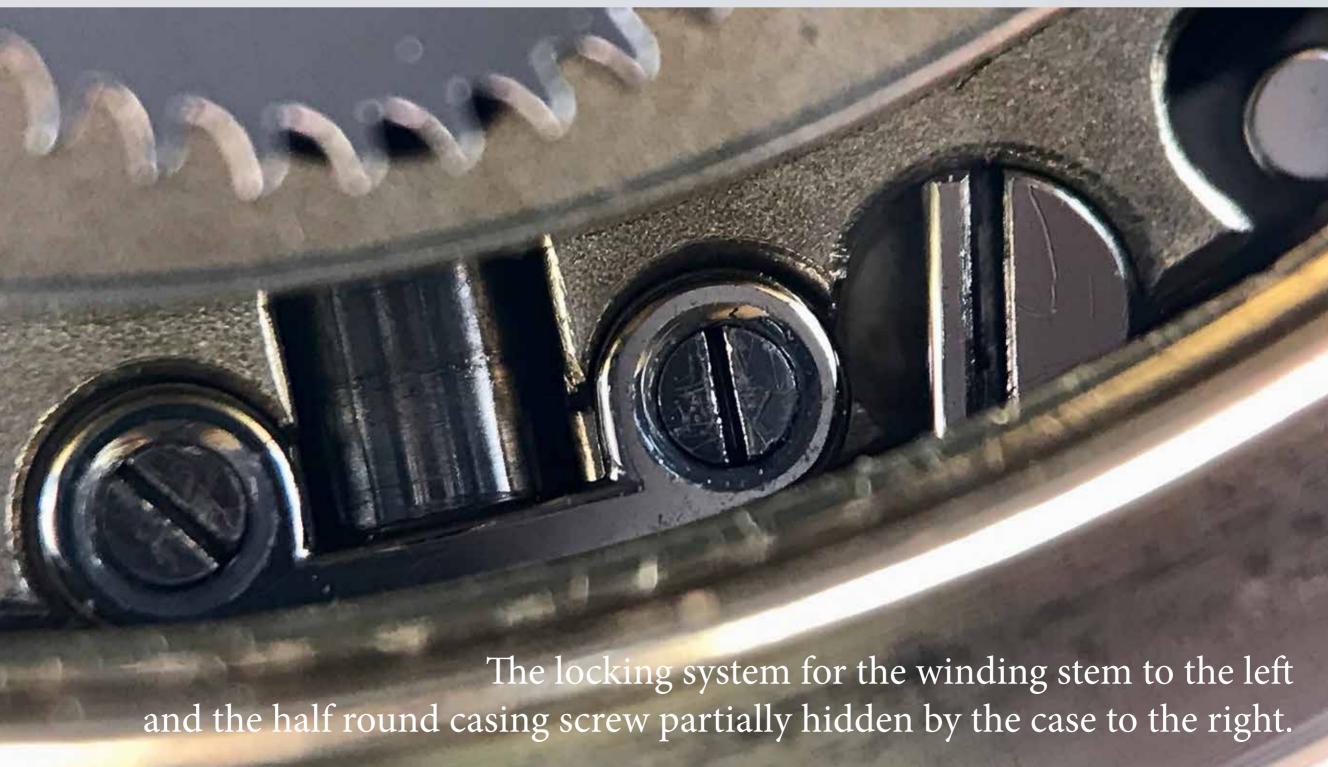


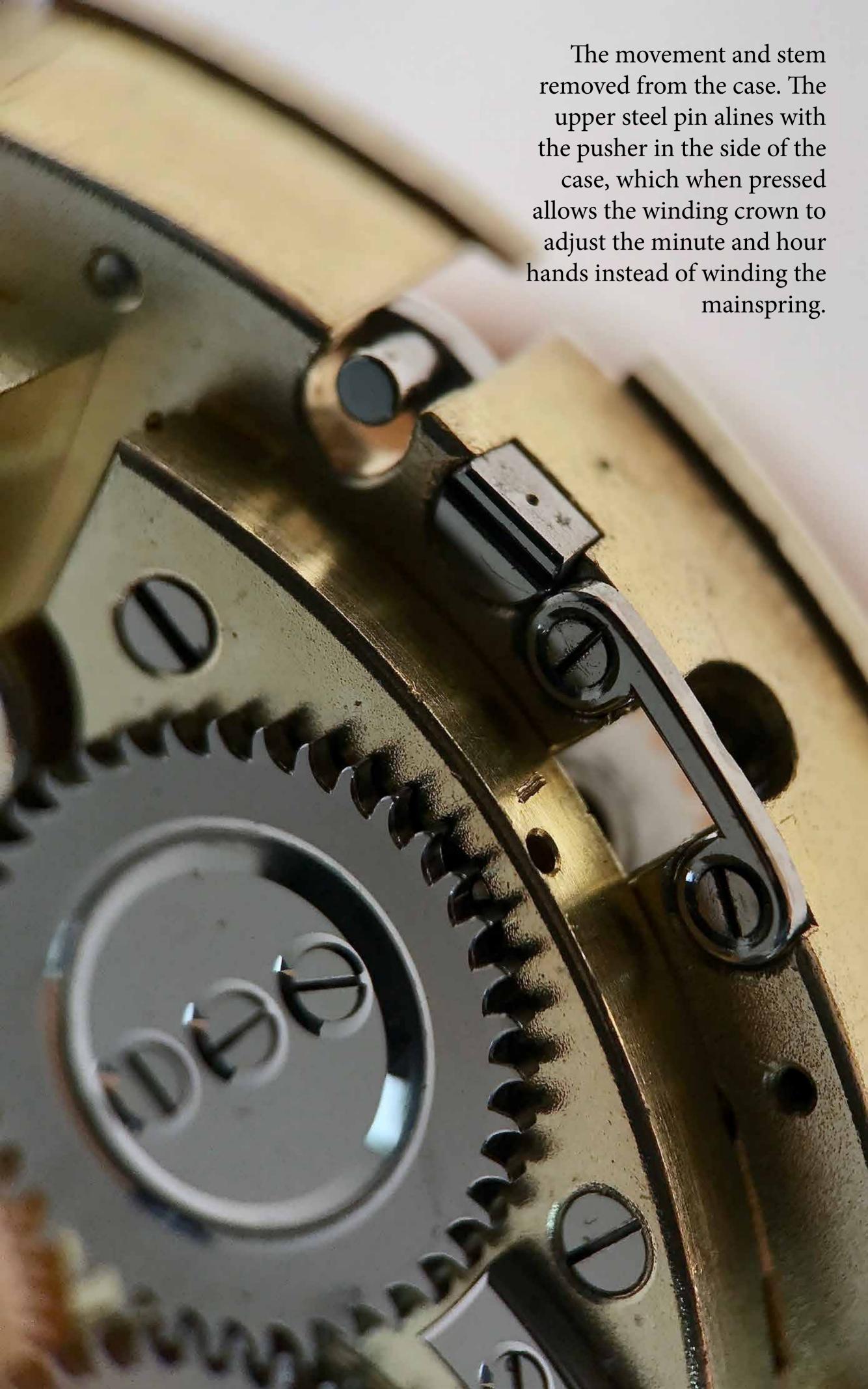


The bridge side of the movement once removed from the case. The repeater sits built into the movement. The calendar mechanism is modular but still sits flush into the movement mainplate.







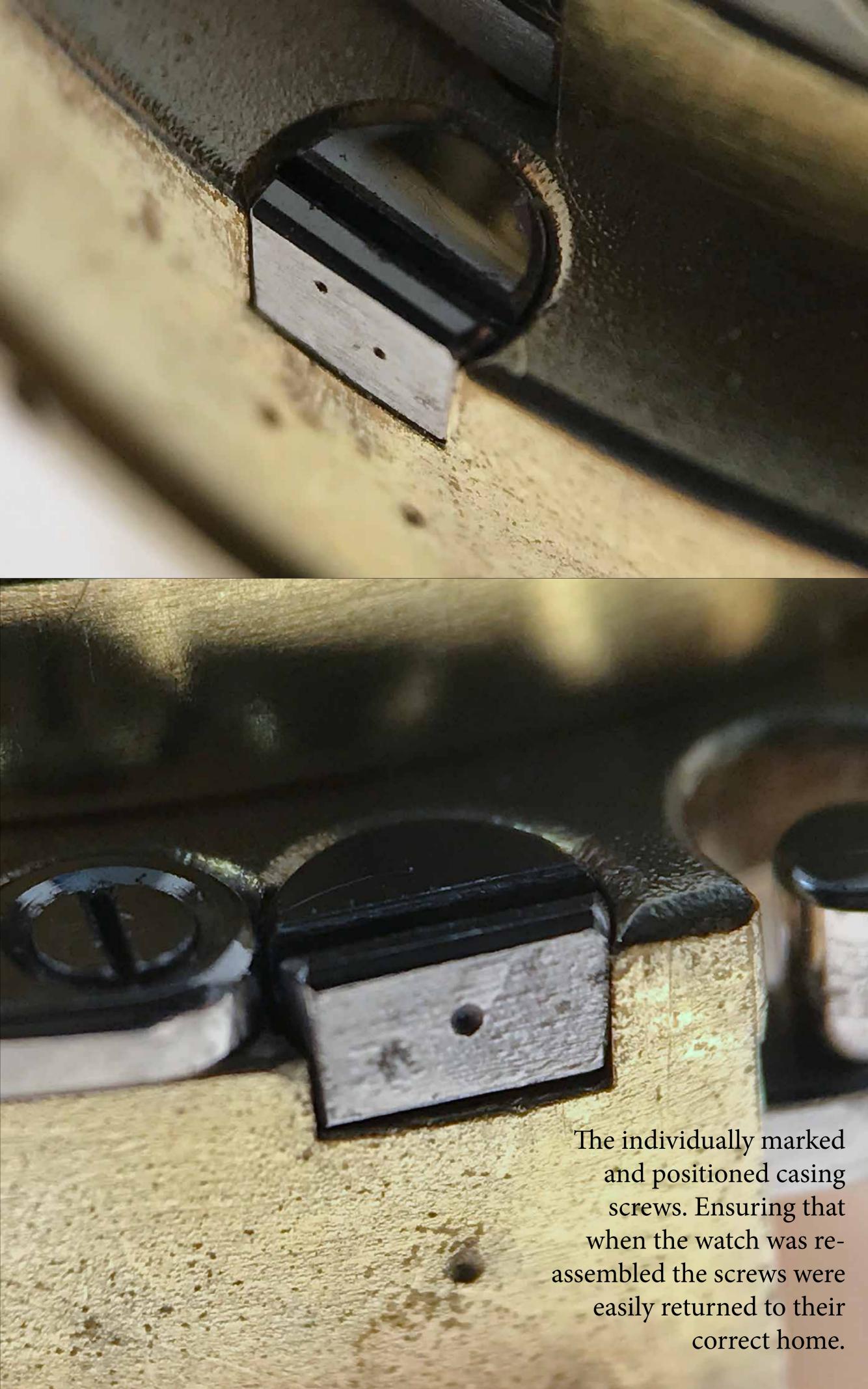


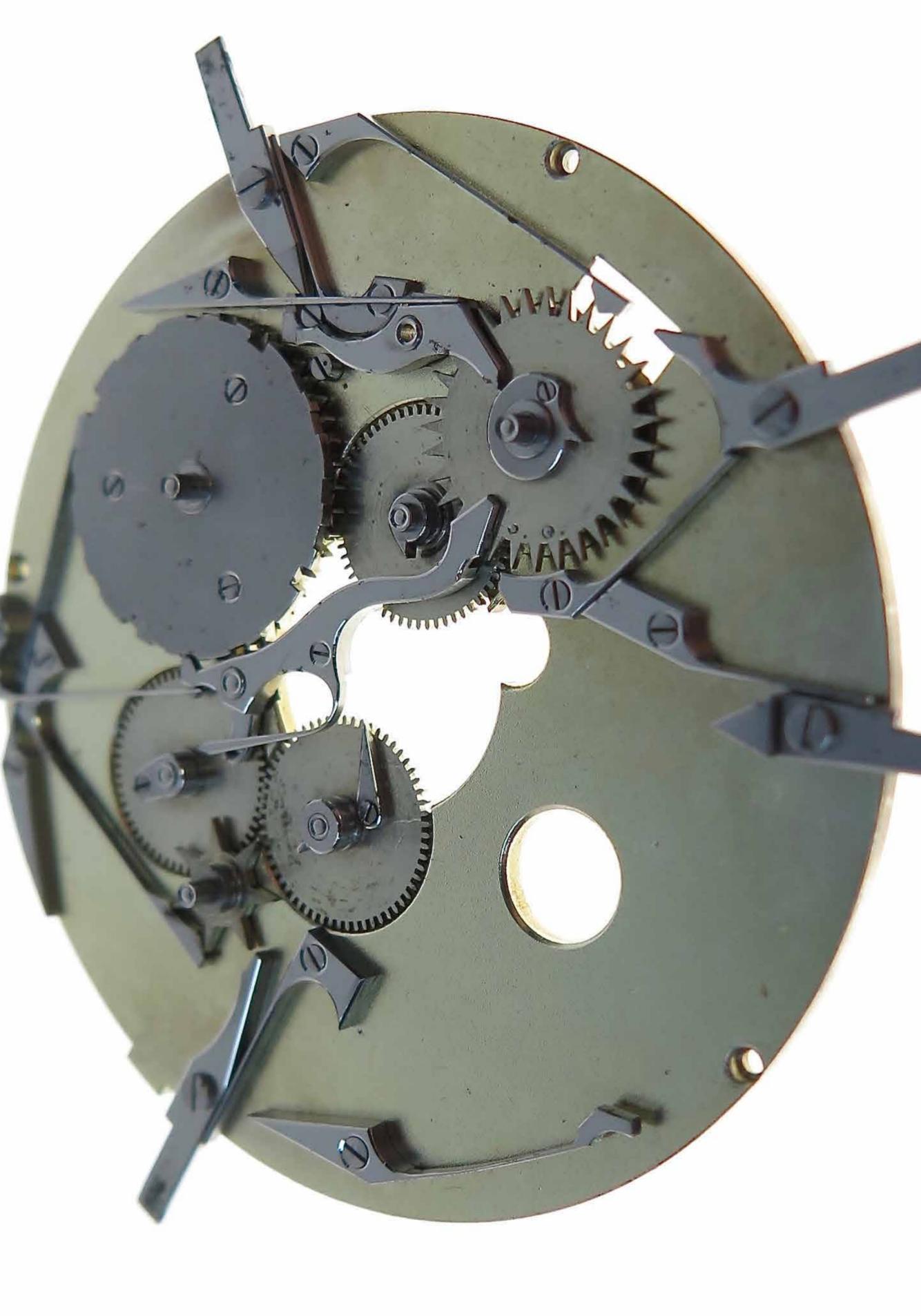




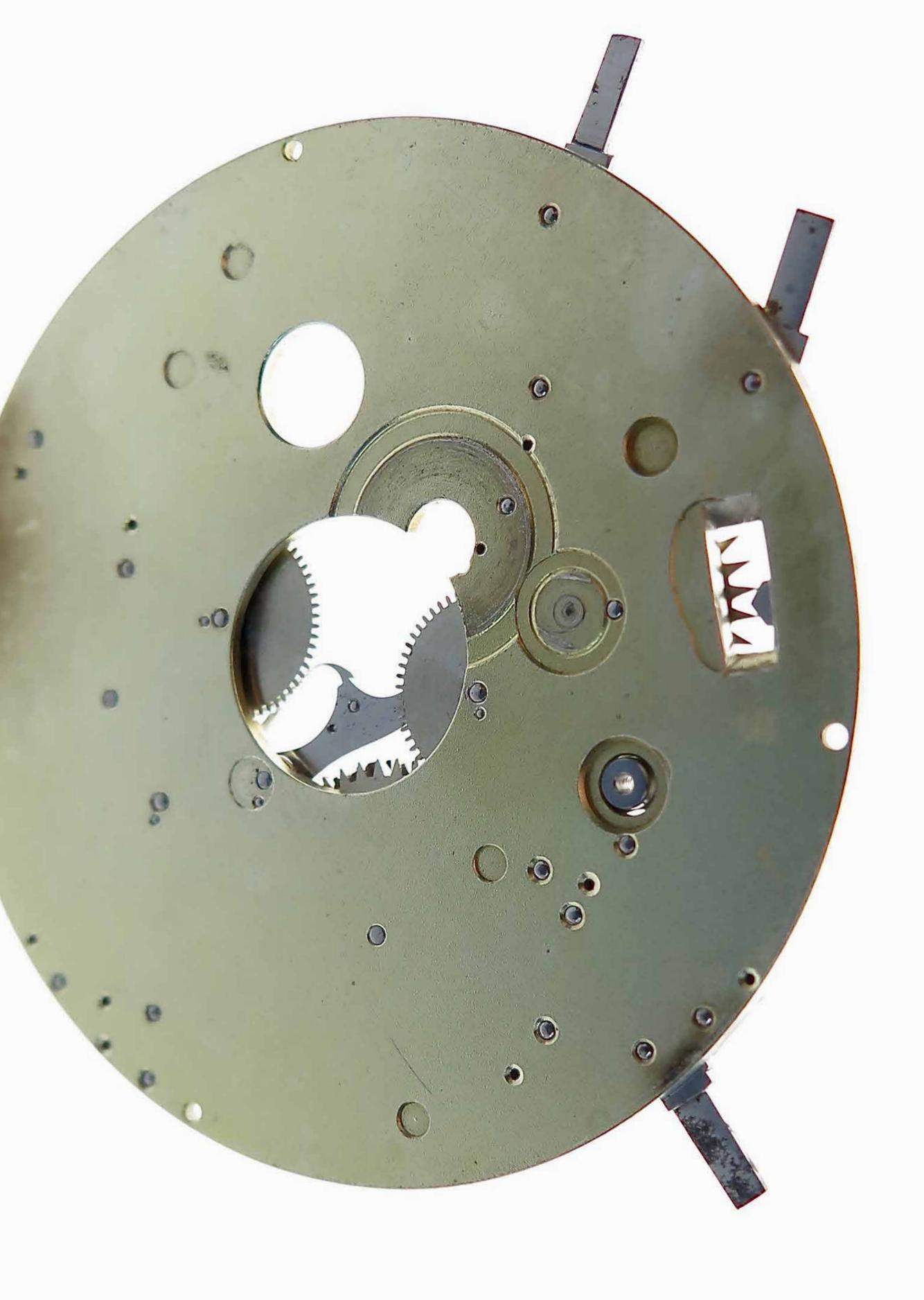




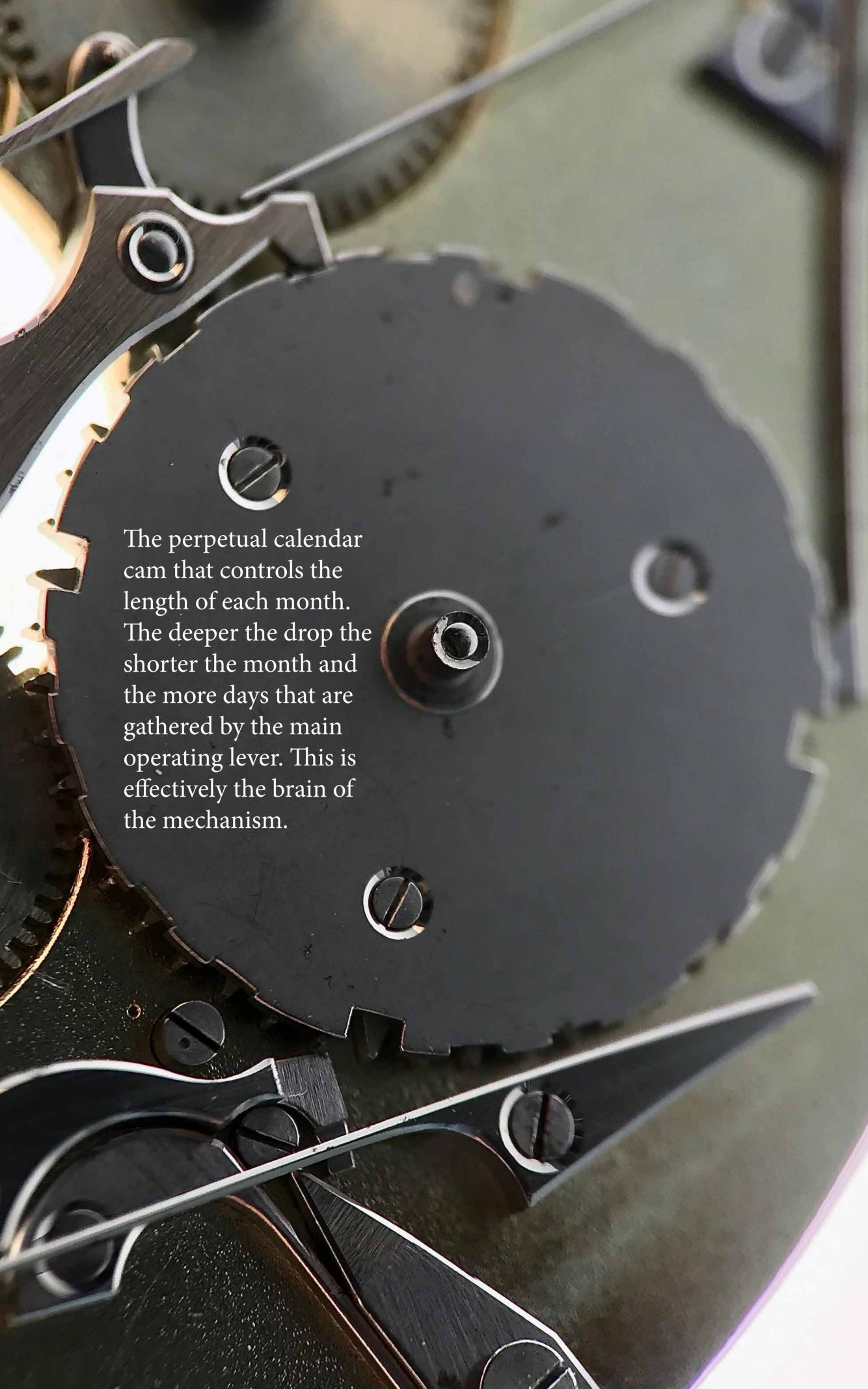




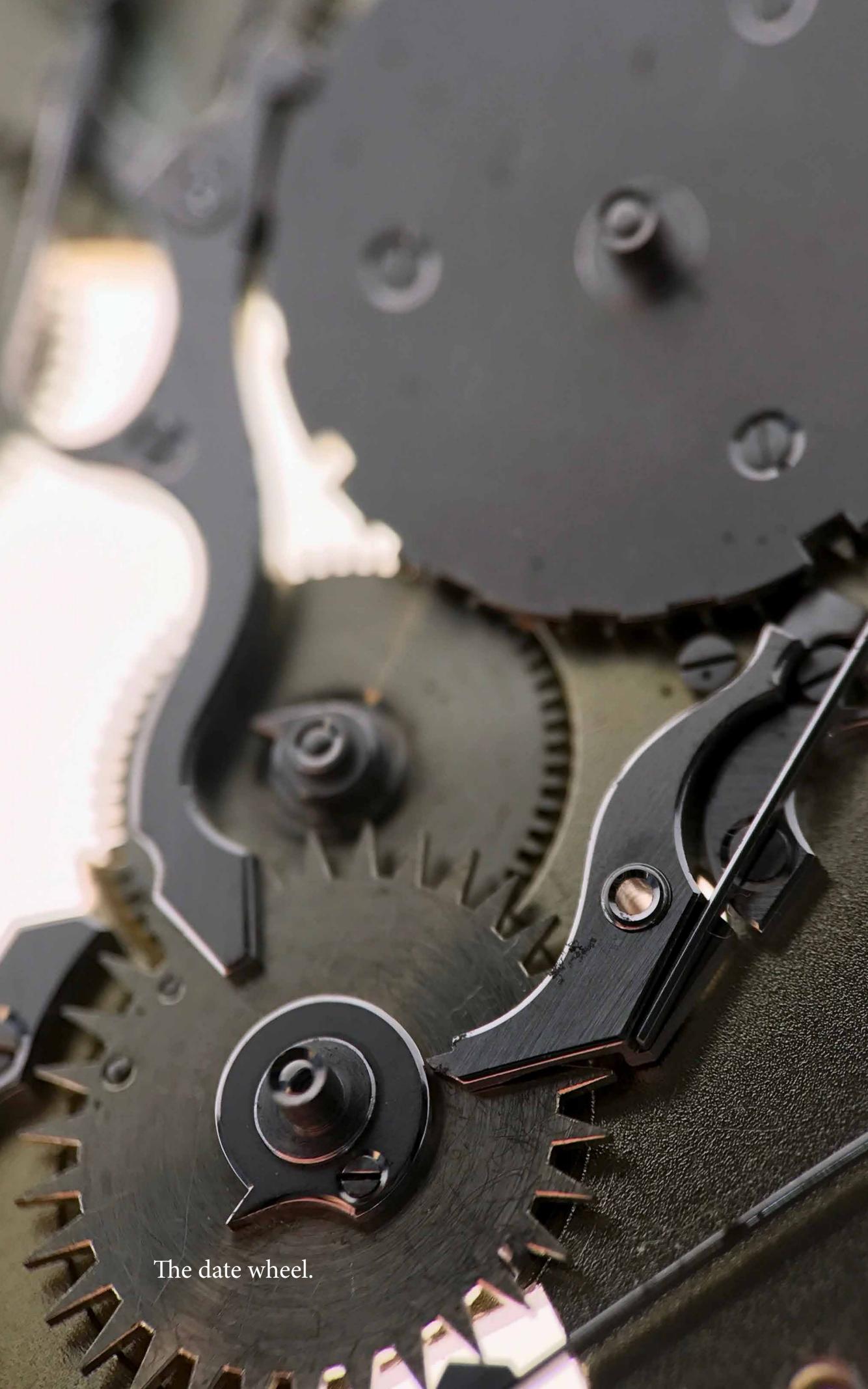
The German silver calendar module removed from the calibre.



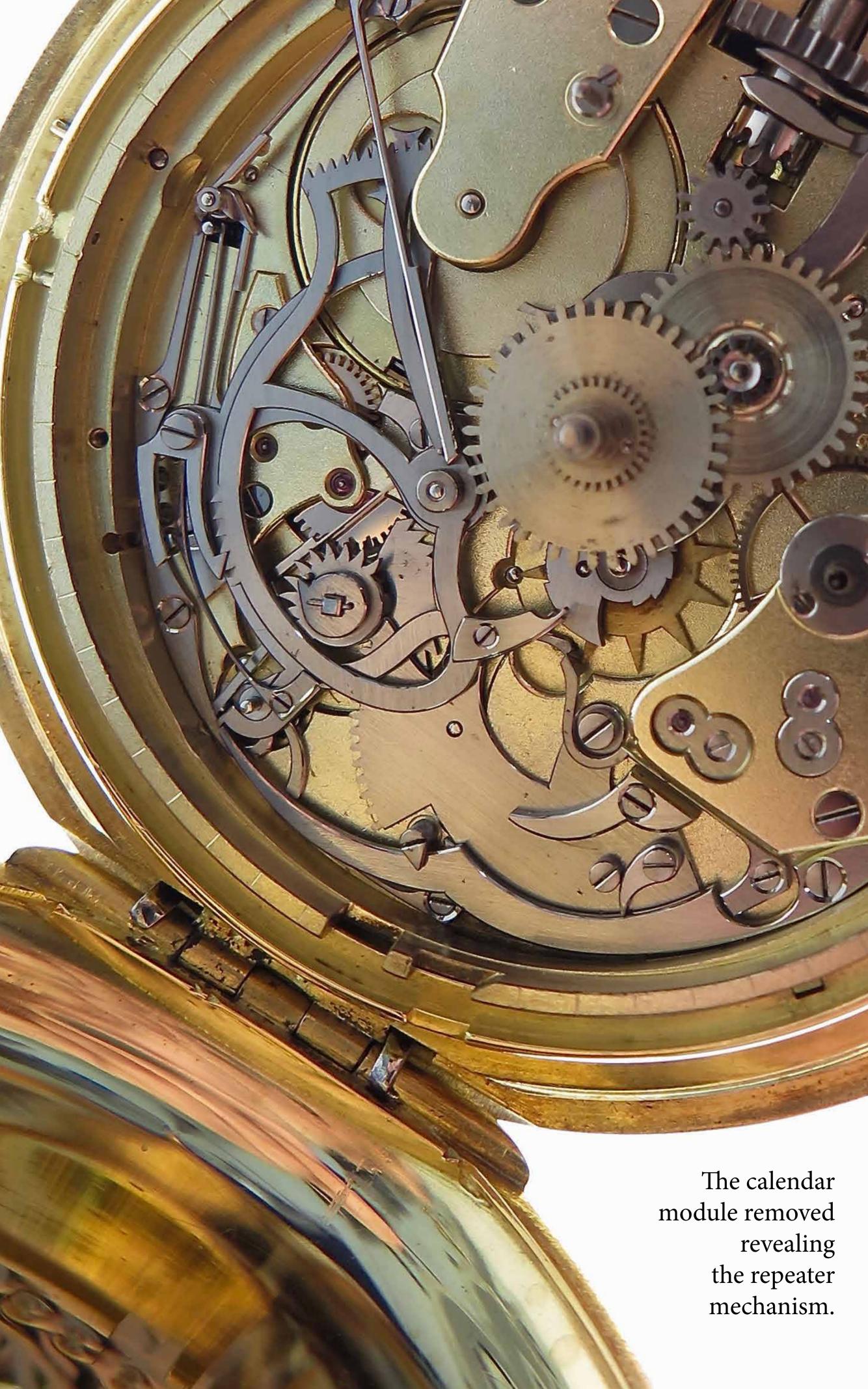
The underside of the calendar module.



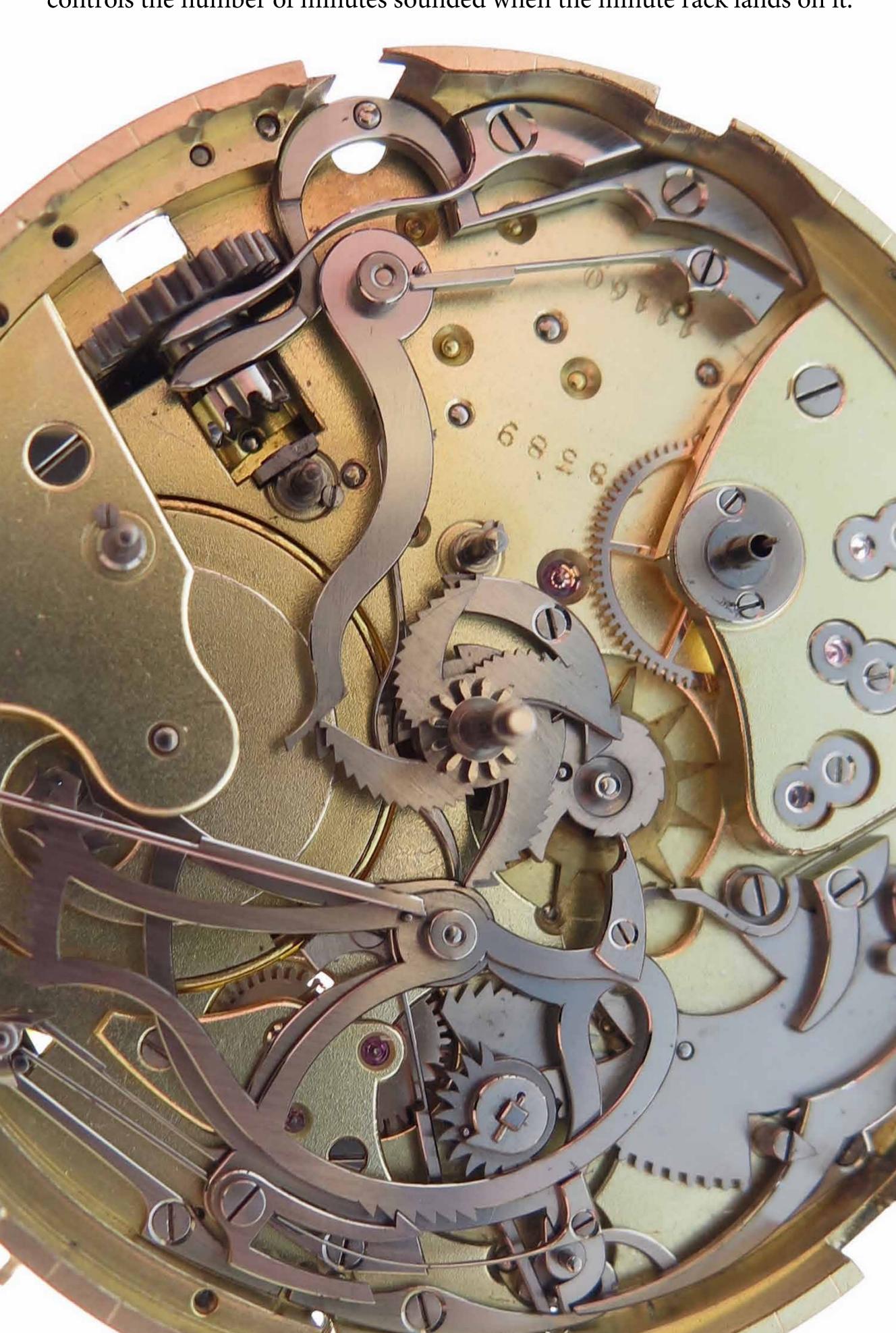


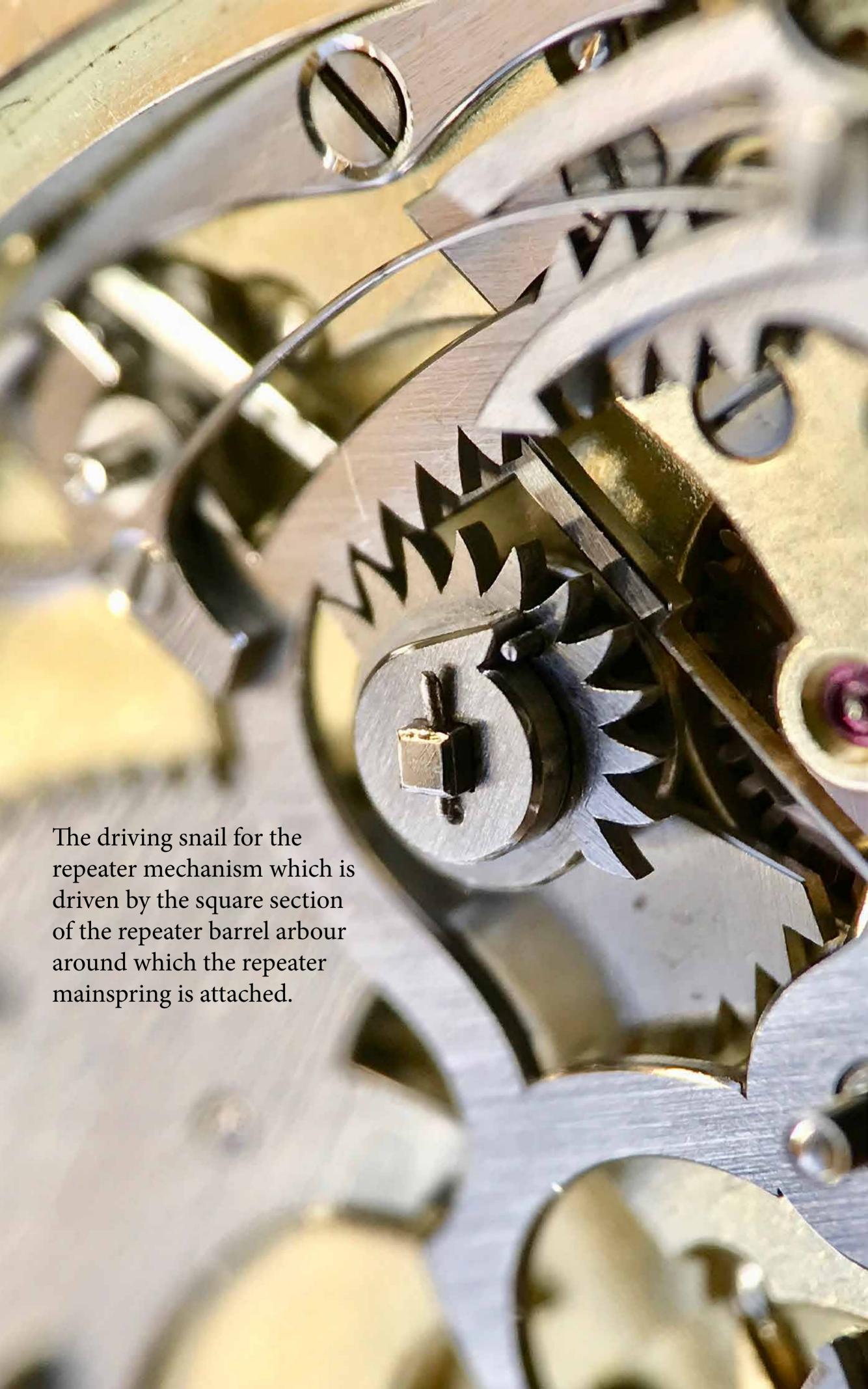


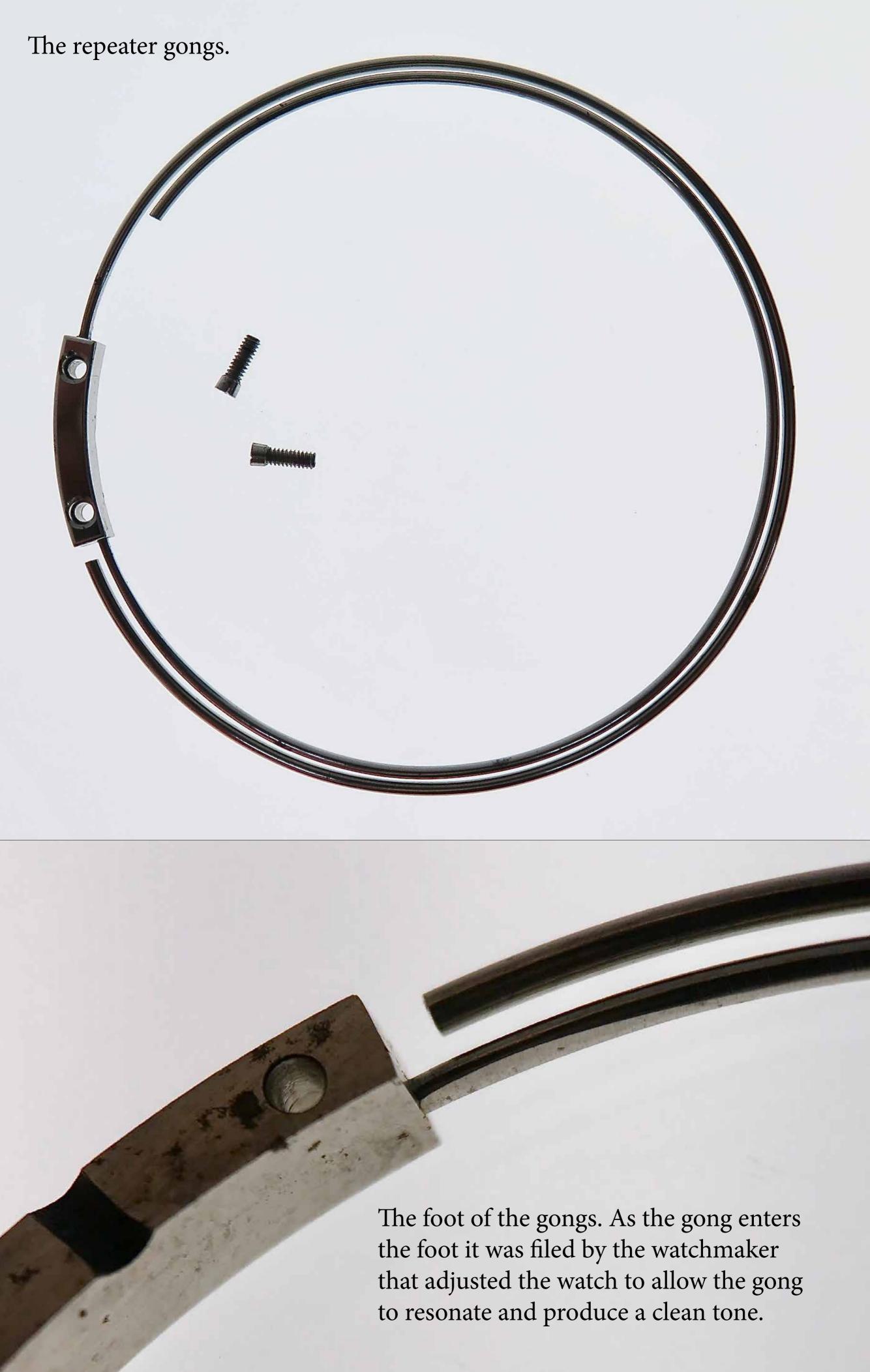


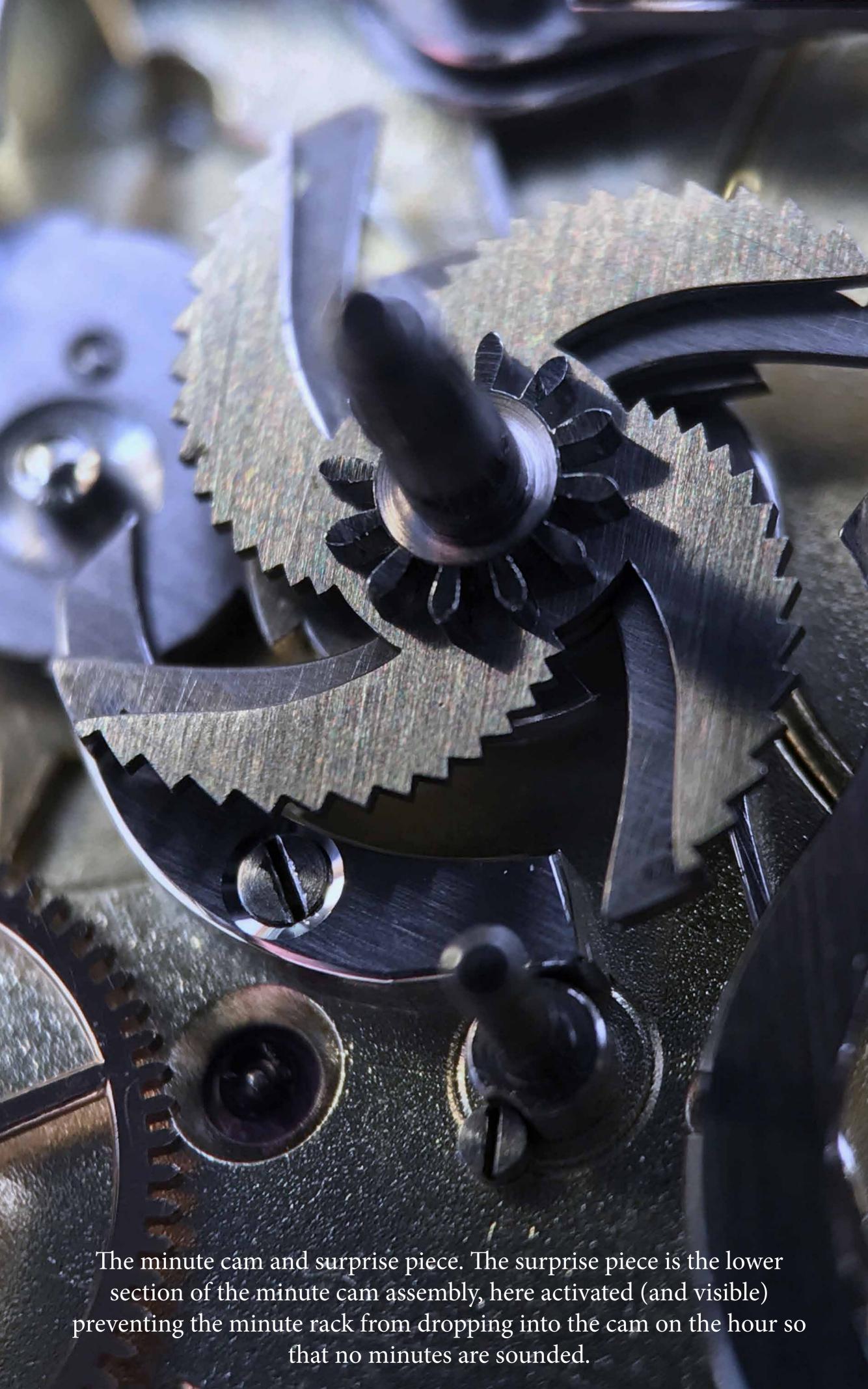


The movement removed from the case and the motion work dismantelled, showing the wind mill shaped minute cam in the centre of the image which controls the number of minutes sounded when the minute rack lands on it.









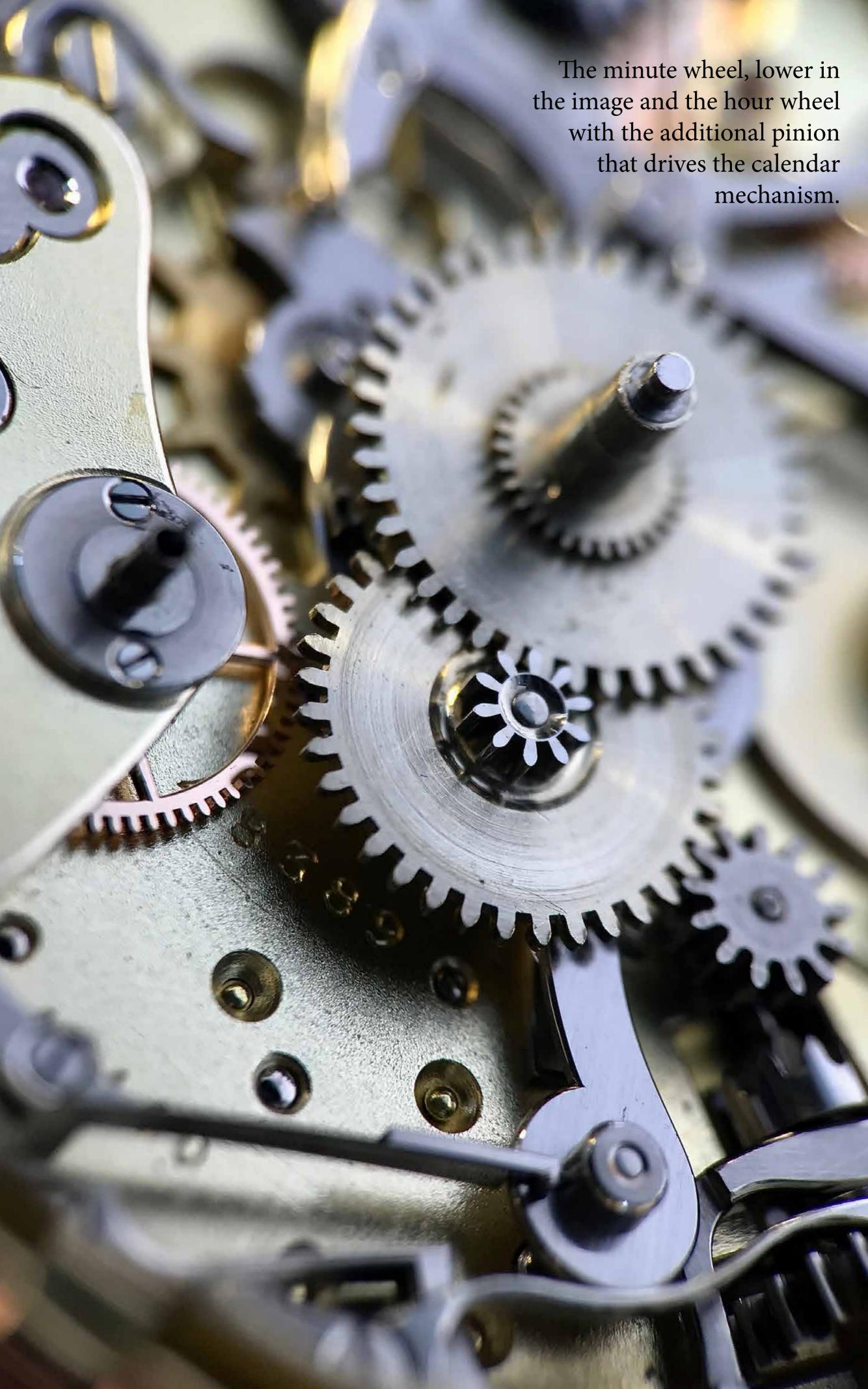
























## Summary

The design of the repeater is typical of many manufactured at this time as well as those produced today. The perpetual calendar although the predecessor in the concept of the majority of QP's ever made with the conventional month controlling cam. Is particularly elegantly executed, and simple. Also allowing for the date, days and month to be manually adjusted. The build quality was based on a standard expectation of longevity. With the exception of the oxidisation of some steel work caused by a case which was never water resistant, the movement itself does not show signs of natural wear. The scratches on the steelwork is a result of manual manipulation during the life of the watch. The only apparent wear is found on the gold case between surfaces that have been in constant contact such as the winding crown tube and bow.

It is a beautiful example of an early multiple complications made by one of the most respected watch-houses in Switzerland.



www.thenakedwatchmaker.com